



## SEQUENCE LISTING

<110> Petrukhin, Konstantin  
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 Metzker, Michael  
 Claes, Wadelius

<120> BEST'S MACULAR DYSTROPHY GENE

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<140> 09/622,964

<141> 2000-08-23

<150> PCT/US99/03790

<151> 1999-02-22

<150> 60/122,926

<151> 1998-12-18

<150> 60/075,941

<151> 1998-02-25

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&lt;210&gt; 29

&lt;211&gt; 551

&lt;212&gt; PRT

&lt;213&gt; Mus Musculus

&lt;400&gt; 29

Met	Thr	Ile	Thr	Tyr	Thr	Asn	Lys	Val	Ala	Asn	Ala	Arg	Leu	Gly	Ser
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Phe	Ser	Ser	Leu	Leu	Leu	Cys	Trp	Arg	Gly	Ser	Ile	Tyr	Lys	Leu	Leu
			20					25					30		
Tyr	Gly	Glu	Phe	Leu	Val	Phe	Ile	Phe	Leu	Tyr	Tyr	Ser	Ile	Arg	Gly
		35					40					45			
Leu	Tyr	Arg	Met	Val	Leu	Ser	Ser	Asp	Gln	Gln	Leu	Leu	Phe	Glu	Lys
	50					55					60				
Leu	Ala	Leu	Tyr	Cys	Asp	Ser	Tyr	Ile	Gln	Leu	Ile	Pro	Ile	Ser	Phe
65				70					75					80	
Val	Leu	Gly	Phe	Tyr	Val	Thr	Leu	Val	Val	Ser	Arg	Trp	Trp	Ser	Gln
			85					90						95	
Tyr	Glu	Asn	Leu	Pro	Trp	Pro	Asp	Arg	Leu	Met	Ile	Gln	Val	Ser	Ser
		100					105						110		
Phe	Val	Glu	Gly	Lys	Asp	Glu	Glu	Gly	Arg	Leu	Leu	Arg	Arg	Thr	Leu
		115					120					125			
Ile	Arg	Tyr	Ala	Ile	Leu	Gly	Gln	Val	Leu	Ile	Leu	Arg	Ser	Ile	Ser
	130					135					140				
Thr	Ser	Val	Tyr	Lys	Arg	Phe	Pro	Thr	Leu	His	His	Leu	Val	Leu	Ala
145				150					155						160
Gly	Phe	Met	Thr	His	Gly	Glu	His	Lys	Gln	Leu	Gln	Lys	Leu	Gly	Leu
			165					170						175	
Pro	His	Asn	Thr	Phe	Trp	Val	Pro	Trp	Val	Trp	Phe	Ala	Asn	Leu	Ser
		180					185						190		
Met	Lys	Ala	Tyr	Leu	Gly	Gly	Arg	Ile	Arg	Asp	Thr	Val	Leu	Leu	Gln
	195						200					205			
Ser	Leu	Met	Asn	Glu	Val	Cys	Thr	Leu	Arg	Thr	Gln	Cys	Gly	Gln	Leu
	210					215					220				
Tyr	Ala	Tyr	Asp	Trp	Ile	Ser	Ile	Pro	Leu	Val	Tyr	Thr	Gln	Val	Val
225				230					235						240
Thr	Val	Ala	Val	Tyr	Ser	Phe	Phe	Leu	Ala	Cys	Leu	Ile	Gly	Arg	Gln
			245					250						255	
Phe	Leu	Asn	Pro	Asn	Lys	Asp	Tyr	Pro	Gly	His	Glu	Met	Asp	Leu	Val
		260					265						270		

Val Pro Val Phe Thr Ile Leu Gln Phe Leu Phe Tyr Met Gly Trp Leu  
 275 280 285  
 Lys Val Ala Glu Gln Leu Ile Asn Pro Phe Gly Glu Asp Asp Asp Asp  
 290 295 300  
 Phe Glu Thr Asn Trp Ile Ile Asp Arg Asn Leu Gln Val Ser Leu Leu  
 305 310 315 320  
 Ser Val Asp Gly Met His Gln Asn Leu Pro Pro Met Glu Arg Asp Met  
 325 330 335  
 Tyr Trp Asn Glu Ala Ala Pro Gln Pro Pro Tyr Thr Ala Ala Ser Ala  
 340 345 350  
 Arg Ser Arg Arg His Ser Phe Met Gly Ser Thr Phe Asn Ile Ser Leu  
 355 360 365  
 Lys Lys Glu Asp Leu Glu Leu Trp Ser Lys Glu Glu Ala Asp Thr Asp  
 370 375 380  
 Lys Lys Glu Ser Gly Tyr Ser Ser Thr Ile Gly Cys Phe Leu Gly Leu  
 385 390 395 400  
 Gln Pro Lys Asn Tyr His Leu Pro Leu Lys Asp Leu Lys Thr Lys Leu  
 405 410 415  
 Leu Cys Ser Lys Asn Pro Leu Leu Glu Gly Gln Cys Lys Asp Ala Asn  
 420 425 430  
 Gln Lys Asn Gln Lys Asp Val Trp Lys Phe Lys Gly Leu Asp Phe Leu  
 435 440 445  
 Lys Cys Val Pro Arg Phe Lys Arg Arg Gly Ser His Cys Gly Pro Gln  
 450 455 460  
 Ala Pro Ser Ser His Pro Thr Glu Gln Ser Ala Pro Ser Ser Ser Asp  
 465 470 475 480  
 Thr Gly Asp Gly Pro Ser Thr Asp Tyr Gln Glu Ile Cys His Met Lys  
 485 490 495  
 Lys Lys Thr Val Glu Phe Asn Leu Asn Ile Pro Glu Ser Pro Thr Glu  
 500 505 510  
 His Leu Gln Gln Arg Arg Leu Asp Gln Met Ser Thr Asn Ile Gln Ala  
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19

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19